

IEEE 802.3 Closing EC Items

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ME: PAR modification request : IEEE P802.3bj 100 Gb/s Operation Over Backplanes and Copper Cables

IEEE P802.3bj PAR and Five Criteria

- Title
 - IEEE Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for 100 Gb/s Operation Over Backplanes and Copper Cables
- Summary of modification request
 - Expand scope to allow addition of optional Energy-efficient Ethernet (EEE) for 40 Gb/s and 100 Gb/s operation over backplanes and copper cables
- Draft PAR modification request
 - <http://www.ieee802.org/secmail/pdfitzYNQG09j.pdf>
- Draft modified 5C
 - <http://www.ieee802.org/secmail/pdfQVU5pMryjR.pdf>

IEEE P802.3bj PAR and Five Criteria

Motion

The LMSC Executive Committee approves the modified IEEE P802.3bj Five Criteria and forwards the IEEE P802.3bj PAR modification to NesCom

M: Law, S: D'Ambrosia

Y: ??, N: ??, A: ??

Working Group vote:

Y: 83, N: 0, A: 2

ME: New PAR: IEEE P802.3bp 1 Gb/s Operation over Fewer than Three Twisted Pair Copper Cable

IEEE P802.3bp PAR and Five Criteria

- Title
 - Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for 1 Gb/s Operation over Fewer than Three Twisted Pair Copper Cable
- Scope of the project
 - The scope of this project is to specify additions to and appropriate modifications of IEEE Std 802.3 to add a point-to-point 1 Gb/s Physical Layer (PHY) specifications and management parameters for operation on fewer than three pairs of twisted copper cables.

IEEE P802.3bp PAR and Five Criteria

- Need
 - Adoption of Ethernet into new market areas in automotive, industrial controls and automation, transportation (aircraft, railway and heavy trucks) has generated a need for a 1 Gb/s solution that will operate over fewer than three twisted pair copper cables over a lower-performance channel as well as other applications, such as carbon footprint sensitive applications, that will benefit by a reduction in the number of wire pairs and magnetics. IEEE Std 802.3 does not currently support 1 Gb/s operation over fewer than four pairs of twisted copper cable.
- Draft PAR
 - <http://www.ieee802.org/secmail/pdfm2BsiFZEWa.pdf>
- Draft 5C
 - <http://www.ieee802.org/secmail/pdfxMUCx4UMTx.pdf>

IEEE P802.3bp PAR and Five Criteria

Motion

The LMSC Executive Committee approves the IEEE P802.3bp Five Criteria and forwards the IEEE P802.3bp PAR to NesCom

M: Law S: D'Ambrosia

Y: ??, N: ??, A: ??

Working Group votes on approval of individual items:

Project Authorization Request:	Y: 76,	N: 0,	A: 0
Broad Market Potential criterion:	Y: 77,	N: 0,	A: 5
Compatibility criterion:	Y: 78,	N: 1,	A: 3
Distinct Identity criterion:	Y: 76,	N: 0,	A: 2
Technical Feasibility criterion:	Y: 76,	N: 0,	A: 2
Economic Feasibility criterion:	Y: 75,	N: 0,	A: 3

**ME: IEEE P802.3.1 (IEEE 802.3.1a)
Ethernet MIBs Revision forward to
Sponsor ballot**

IEEE P802.3.1 (IEEE 802.3.1a) Ethernet MIBs

Revision Working Group ballot results

- 2nd Working Group recirculation ballot – draft D1.2
 - Ballot opened 30th October, closed 13th November 2012
 - 100% approval, five comments received

Comments received: 5*	Initial Draft D1.0			1 st Recirculation Draft D1.1			2 nd Recirculation Draft D1.2			Req %
	#	%	Status	#	%	Status	#	%	Status	
Abstain	23	28	PASS	23	27	PASS	23	27	PASS	< 30
Disapprove with comment	1	-	-	1	-	-	0	-	-	-
Disapprove without comment	0	-	-	0	-	-	0	-	-	-
Approve	57	98	PASS	60	98	PASS	63	100	PASS	≥ 75
Ballots returned	81	56	PASS	84	58	PASS	86	59	PASS	≥ 50
Voters	145	-	-	145	-	-	145	-	-	-

* 2 comments were withdrawn

IEEE P802.3.1 (IEEE 802.3.1a) Ethernet MIBs Revision forward to Sponsor ballot

Motion

The LMSC Executive Committee grants approval to submit IEEE P802.3.1 (IEEE 802.3.1a) to Sponsor ballot

M: Law, S: D'Ambrosia

Y: ??, N: ??, A: ??

Working Group vote:

Y: 92, N: 0, A: 8

MI: IEEE 802.3 Reduced Twisted Pair Gigabit Ethernet Study Group (2nd extension)

IEEE 802.3 Reduced Twisted Pair Gigabit Ethernet PHY Study Group

Motion

The LMSC Executive Committee grants an extension to the IEEE 802.3 Reduced Twisted Pair Gigabit Ethernet PHY Study Group

M: Law, S: D'Ambrosia

Y: ??, N: ??, A: ??

Working Group vote:

Y: 82, N: 0, A: 0

MI*: IEEE 802.3 Next Generation BASE-T Study Group (1st extension)

IEEE 802.3 Next Generation BASE-T Study Group

Motion

The LMSC Executive Committee grants an extension to the IEEE 802.3 Next Generation BASE-T Study Group

M: Law, S: D'Ambrosia

Y: ??, N: ??, A: ??

Working Group vote:

Y: 65, N: 0, A: 0

MI: IEEE 802.3 Distinguished minimum latency traffic in a converged traffic environment Study Group

IEEE 802.3 Distinguished minimum latency traffic in a converged traffic environment Study Group

Motion

The LMSC Executive Committee grants approval for the formation of the IEEE 802.3 Distinguished minimum latency traffic in a converged traffic environment Study Group within IEEE 802.3

M: Law, S: D'Ambrosia

Y: ??, N: ?, A: ?

82 CFI attendees, 23 interested in participating

Working Group vote:

Y: 41 N: 6 A: 11

II*: Liaison letter to ISO/IEC
JTC1/SC 25 WG3: Response to
technical report for 40 Gb/s
cabling systems liaison letter

Liaison letter to ISO/IEC JTC1/SC 25 WG3

The liaison letter from the IEEE 802.3 working group to ISO/IEC JTC1/SC 25 WG3 in response to the technical report for 40 Gb/s cabling systems liaison letter can be found in:
[ngbt_iso_liaison_response_1112.pdf](#)

Working Group vote:

Y: 26, N: 1, A: 5